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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/532,604	04/25/2005	Hirofumi Aoki	Q87662	5668
23373 SLICHDLIE M	7590 06/29/2007	EXAMINER		
SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W.			MULCAHY, PETER D	
SUITE 800 WASHINGTON, DC 20037			ART UNIT	PAPER NUMBER
	,	·	1713	
		•		
			MAIL DATE	DELIVERY MODE
			06/29/2007	PAPÉR

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application No.	Applicant(s)				
		10/532,604	AOKI, HIROFUMI				
		Examiner	Art Unit				
		Peter D. Mulcahy	1713				
Period fo	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)🖂	Responsive to communication(s) filed on 25 Ag	oril 2005.					
	This action is FINAL . 2b)⊠ This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Dispositi	on of Claims						
4) 🖂	Claim(s) 1-3 is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
	Claim(s) is/are allowed.						
6)🖂	Di⊠ Claim(s) <u>1-3</u> is/are rejected.						
7)	Claim(s) is/are objected to.						
8) 🗌	Claim(s) are subject to restriction and/or	r election requirement.					
Applicati	on Papers						
9) 🔲 -	The specification is objected to by the Examine	۲.					
	The drawing(s) filed on is/are: a)☐ acce		xaminer.				
	Applicant may not request that any objection to the o						
	Replacement drawing sheet(s) including the correcti	ion is required if the drawing(s) is obj	ected to. See 37 CF	FR 1.121(d).			
11)	The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PT	O-152.			
Priority u	nder 35 U.S.C. § 119						
12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of:							
	1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the prior		d in this National	Stage			
+ 0	application from the International Bureau	* **					
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment		. 🗖 .					
	1) Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) A) Interview Summary (PTO-413) Paper No(s)/Mail Date						
3) 🛛 Inforn	nation Disclosure Statement(s) (PTO/SB/08)	5) 🔲 Notice of Informal Pa					
Paper	Paper No(s)/Mail Date <u>4/25/05</u> . 6) ☐ Other:						

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DETAILED ACTION

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Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 3. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shiina
- 4. The patent shows heavy duty tire tread compositions, see the abstract. The use of solution polymerized styrene butadiene modified with tin is shown at [0018]-[0039]. The claimed hydorazone compound is shown at [0065]. Silica and carbon black are disclosed at [0168]-[0169]. The difference between this patent and the cited patent is that the tin modification is in the chain and optional at the terminal. The patent suggests introducing the tin in the chain as well as the terminal [0018]. As such, the claimed modification is obvious. The bound styrene content is considered anticipated or obvious

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from the disclosed solution polymerized which results in polymers having the claimed properties.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peter D. Mulcahy whose telephone number is 571-272-1107. The examiner can normally be reached on Mon.-Fri. 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on 571-272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Peter D. Mulcarly
Primary Examiner
Art Unit 1713